

14421 County Rd. 10 • Ft. Lupton, Colorado 80621 • (303) 857-9999 • FAX (303) 857-0577 • E-MAIL Permitco 1@aol.com

March 27, 2006

Division of Oil, Gas & Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, UT 84114-5801 Attn: Minerals

Re:

Gasco Production Company

Gate Canyon Federal #21-20-11-16

476' FNL and 2046' FWL

NE NW Section 20, T11S - R16E

Duchesne County, Utah

Gentlemen:

Enclosed please find two copies of the Application for Permit to Drill, along with one copy of the Onshore Order No. 1 which was filed with the BLM in Vernal, Utah.

If you should need additional information, please don't hesitate to contact me. Approved copies of the A.P.D. should be sent to Permitco Inc. at the address shown above.

Sincerely,

PERMITCO INC.

Venessa Langmacher

Consultant for

Gasco Production Company

Venessa Lanzmacher

MAR 2 9 2006

Enc.

cc: Gasco Production Company - Englewood, CO

Shawn Elworthy - Roosevelt, UT

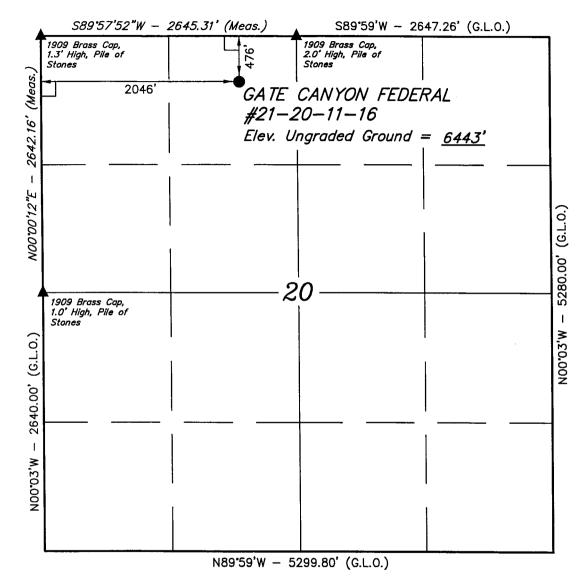
STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

AMENDED REPORT	
(highlight changes)	_

	ADDUICATION FOR I	DEDMIT:	TO DDILL	5. MINERAL LEASE NO.:	6. SURFACE:	
APPLICATION FOR PERMIT TO DRILL				UTU-74395	BLM	
1A. TYPE OF WO	ORK: DRILL 🛣 REENTER 🗆 DEEPEN 🗆			7. IF INDIAN, ALLOTTEE OR TE	∛IBE NAME:	
	OU ET OAD ETE	CINIC	GLE ZONE 🛣 MULTIPLE ZONE	N/A 8. UNIT or CA AGREEMENT NA	ME:	
B. TYPE OF WE	LL: OIL GAS 🛣 OTHER	SING	GLE ZONE 📉 MULTIPLE ZONE	Gate Canyon Unit		
2. NAME OF OPE	RATOR:			9. WELL NAME and NUMBER:		
	oduction Company			Gate Canyon Feder	al #21-20-11-16	
3. ADDRESS OF 0			PHONE NUMBER:			
	ss Drive East, Suite 100, Englewood		303-483-0044	Riverbend 11. QTR/QTR, SECTION, TOWN	NSHIP RANGE	
4. LOCATION OF	57270		39.248605	MERIDIAN:		
AT SURFACE:	AIE ANA/	nd 2046' FWL	-110.149490	Sec. 20, T11S-R16E	ı	
AT PROPOSED	PRODUCING ZONE: NE NW 44	110904	11-17-17			
14. DISTANCE IN	MILES AND DIRECTION FROM NEAREST TOWN OR F	POST OFFICE:		12. COUNTY:	13. STATE:	
Annroxi	mately 22.9 miles south of Myton, U	IT		Duchesne	Utah	
15. DISTANCE TO	NEAREST PROPERTY OR LEASE LINE (FEET)		R OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO		
	476'		1189.1	40 Acres; NE	NW	
) NEAREST WELL (DRILLING, COMPLETED, OR 2) ON THIS LEASE (FEET):	19. PROPO	OSED DEPTH:	20. BOND DESCRIPTION:		
	2750'		11,713'	Bond #UT-12	:33	
21. ELEVATIONS	(SHOW WHETHER DF, RT, GR, ETC.):	22. APPRO	XIMATE DATE WORK WILL START:	23. ESTIMATED DURATION:		
	6443' GL		ASAP	35 Days		
24.	PROPO	DSED CASIN	G AND CEMENTING PROC	GRAM		
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE,	, QUANTITY, YIELD, AND SLURRY WEIGH	ıτ	
17-1/2"	13-3/8", H40, 48#	225'		um Type 5, 15.6 ppg, 1.18 y		
12-1/4"	8-5/8", J-55, 32#	2,645'		yield & 185 sx 10-2 RFC, 14		
7-7/8"	4-1/2", P110, 13.5#	11,713'		5 yield & 1423 sx 50-50 Poz, 14	1.1 ppg, 1.28 yield	
			CONFIDENTIAL TIGHT HOLE			
25.		A	TTACHMENTS			
VERIFY THE FO	LOWING ARE ATTACHED IN ACCORDANCE WITH TH	IE UTAH OIL AND	GAS CONSERVATION GENERAL RULES	:		
✓ WELL PL	AT OR MAP PREPARED BY LICENSED SURVEYOR OF	R ENGINEER	COMPLETE DRILLING PR	ROGRAM		
	E OF DIVISION OF WATER RIGHTS APPROVAL FOR		FORM 5, IF OPERATOR I	S PERSON OR COMPANY OTHER THAN	THE LEASE OWNER	
AGENT: Po	ermitCo Inc.			AGENT'S PHONE NO.:	303-857-9999	
NAME (PLEASE	PRINT) Venessa Langmacher		TITLE Age	nt for Gasco Production Co	mpany	
	Vanamacha	1 1	Marc	ch 27, 2006		
SIGNATURE	Janeson May in a		DATE WIGHT			
(This space for Sta	te use only)	Control of the last	A A. A.			
API NUMBER ASS	IGNED: 43-013-33127	#1. 7 ***********************************	Approved by the	- refeish		
AFI NUMBER ASS	IGNED.	^	Utah Di⊮isiwn of iii, Gas and Mining \			
			= 10t) m/ \ \			
(11/2001)	Federal Approval of this	Date:	(See instructions on referse Side	MAR 2 9	2006	
•	Action is Necessary	By:	DANHATAXX			

T11S, R16E, S.L.B.&M.



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LEGEND:

__ = 90° SYMBOL

= PROPOSED WELL HEAD.

= SECTION CORNERS LOCATED.

(AUTONOMOUS NAD 83) LATITUDE = 39°50′54.94″ (39.848594) LONGITUDE = 110°09′00.51″ (110.150142) (AUTONOMOUS NAD 27) LATITUDE = 39°50′55.07″ (39.848631)

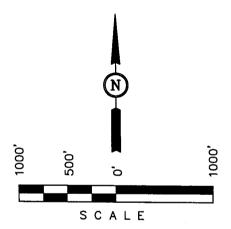
LONGITUDE = 110°08'57.96" (110.149433)

GASCO PRODUCTION COMPANY

Well location, GATE CANYON FEDERAL #21-20-11-16, located as shown in the NE 1/4 NW 1/4 of Section 20, T11S, R16E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 20, T11S, R16E, S.L.B.&M. TAKEN FROM THE COWBOY BENCH QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6404 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR REGISTRATION NO. 161319 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (801) 789-1017

	(551)	100 1011	
SCALE 1" = 1000'		DATE SURVEYED: 8-22-05	DATE DRAWN: 8-26-05
PARTY		REFERENCES	
B.H. B.W.	K.G.	G.L.O. PLA	AT .
WEATHER		FILE	
нот		GASCO PRODU	JCTION COMPANY

CONFIDENTIAL - TIGHT HOLE

ONSHORE OIL & GAS ORDER NO. 1

Approval of Operations on Onshore Federal and Indian Oil & Gas Leases

Gate Canyon Federal #21-20-11-16 476' FNL and 2046' FWL NE NW Section 20, T11S - R16E Duchesne County, Utah

Prepared For:

Gasco Production Company

By:

PERMITCO INC. 14421 County Road 10 Ft. Lupton, Colorado 80621 303/857-9999

Copies Sent To:

- 3 Bureau of Land Management Vernal, UT
- 1 Utah Division of Oil, Gas & Mining SLC, UT
- 2 Gasco Production Company Englewood, CO
- 1 Shawn Elworthy Roosevelt, UT



APPLICATION FOR PERMIT TO DRI. OR REENTER

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1110	following, completed in accordance with the requirements of offishore on and out office 140. 1, shall be actualled to this form.
1.	Well plat certified by a registered surveyor. Attached.
2.	A Drilling Plan Attached.
3.	A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the Appropriate Forest Service Office. See Surface Use Plan Attached.
4.	Bond to cover the operations unless covered by an existing bond on file (see Item 20). Bond coverage for this well is provided by Gasco Production Company under their BLM Bond No. Bond #UT-1233.
5.	Operator certification. Please be advised that Gasco Production Company is considered to be the operator of the above mentioned well. Gasco Production Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the leased lands.
6.	Such other site specific information and/or plans as may be required by the authorized officer.

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DRILLING PROGRAM

Page 1

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal and Indian Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

Formation	Depth	Subsea
Green River Fm.	Surface	+6,441'
Wasatch	3,808'	+2,643'
Mesaverde	7,938'	-1,487'
Castlegate	10,438'	-3,987'
Blackhawk	10,698'	-4,247'
Aberdeen	11,413'	-4,962'
T.D.	11,713'	-5,262'

2. <u>ESTIMATED DEPTH OF ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:</u>

Substance	Formation	Depth
Gas	Wasatch	4,000' - 7,938'
Gas	Mesaverde	7,838' - 10,438'
Gas	Blackhawk	10,438' - 11,600'



Duchesne County, Utah

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DRILLING PROGRAM

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All fresh water prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. PRESSURE CONTROL EQUIPMENT

Gasco Production Company's minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double with annular, 5000 psi w.p.

Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30-day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.



Duchesne County, Utah

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DRILLING PROGRAM

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A BOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have the BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not been chosen to drill this well, most of the equipment for this depth of hole in the area use a 11", 5000 psi working pressure blowout preventor.
- b. A choke line and a kill line are to be properly installed. The kill line is <u>not</u> to be used as a fill-up line.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit <u>all</u> tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

4. PROPOSED CASING AND CEMENTING PROGRAM:

a. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which



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DRILLING PROGRAM

Page 4

will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including; presence/absence of hydrocarbons; fracture gradients; usable water zones; formation pressures; lost circulation zones; other minerals; or other unusual characteristics. All indications of usable water shall be reported.

- b. Casing design shall assume formation pressure gradients of 0.44 to 0.50 psi per foot for exploratory wells (lacking better data).
- c. Casing design shall assume fracture gradients from 0.70 to 1.00 psi per foot for exploratory wells (lacking better data)
- d. Casing collars shall have a minimum clearance of 0.422 inches of all sides in the hole/casing annulus, with recognition that variances can be granted for justified exceptions.
- e. All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.
- f. All casing except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.
- g. The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing.
- h. All indications of usable water shall be reported to the authorized officer prior to running the next string of casing or before plugging orders are requested, whichever occurs first.
- i. Three centralizers will be run on the bottom three joints of surface casing with a minimum of one centralizer per joint starting with the shoe joint.
- j. Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.



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DRILLING PROGRAM

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- k. All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.
- I. On all exploratory wells, and on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- m. The proposed casing program will be as follows:

Purpose	Depth	Hole Size	O.D.	Weight	Grade	Туре	New/Used
Conductor	0-225'	17-1/2"	13-3/8"	48#	H-40		New
Surface	0-2,645'	12-1/4"	8-5/8"	32#	J-55	ST&C	New
Production	0-11,713'	7-7/8"	4-1/2"	13.5#	P-110	LT&C	New

- n. Casing design subject to revision based on geologic conditions encountered.
- o. The cement program will be as follows:

Conductor	Type and Amount
0-225'	225 sx Premium Type 5 @ 15.6 ppg, 1.18 yield
Surface	Type and Amount
TOC @ Surface	Lead: 404 sx Hi-Lift @ 11 ppg, 3.91 yield Tail: 185 sx 10-2 RFC @ 14.2 ppg, 1.63 yield
Production	Type and Amount
TOC @ 2,500'	Lead: 366 sx Hi-Lift @ 11.5 ppg, 3.05 yield Tail: 1423 sx 50:50 Poz @ 14.1 ppg,1.28 yield



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DRILLING PROGRAM

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- p. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.
- q. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.
- r. The following reports shall be filed with the District Manager within 30 days after the work is completed.
 - 1. Progress reports, Form 3160-5 (formerly 9-331) "Sundry Notices and Reports on Wells", must include complete information concerning:
 - a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.
 - b. Temperature or bond logs must be submitted for each well where the casing cement was not circulated to the surface.
- s. Auxiliary equipment to be used is as follows:
 - 1. Kelly cock
 - 2. No bit float is deemed necessary.
 - 3. A sub with a full opening valve.

5. MUD PROGRAM

a. The proposed circulating mediums to be employed in drilling are as follows:



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DRILLING PROGRAM

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Interval	Mud Type	Mud Wt.	Visc.	F/L	PH
1' - 225'	Fresh Water	8.33	1	N/A	7
225' - 2,645'	Fresh Water	8.33	1	N/A	7-8
2,645' - TD	Fresh Water/DAP	9.0-11.5	30-40	12-20	8

There will be sufficient mud on location to control a blowout should one occur. A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, static filtration loss, and Ph.

- b. Mud monitoring equipment to be used is as follows:
 - 1. Periodic checks will be made each tour of the mud system. The mud level will be checked visually.
- c. No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.
- d. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.
- e. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

6. EVALUATION PROGRAM

The anticipated type and amount of testing, logging and coring are as follows:

a. No drill stem tests are anticipated, however, if DST's are run, the following requirements will be adhered to:



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DRILLING PROGRAM

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Initial opening of drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer. However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the authorized officer. Closed chamber DSTs may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve provided some means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

- b. The logging program will consist of a Schlumberger Platform Express or equivalent to be run from TD to Base of Surface Casing.
- c. No cores are anticipated.
- d. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cutting, fluids, and/or gases0 will be submitted when requested by the authorized officer (AO).
- e. The anticipated completion program is as follows: Perform multistage fracs and complete all productive Blackhawk, Mesaverde and Wasatch sands present in wellbore. Produce all zones commingled.
- f. Daily drilling and completion progress reports shall be submitted to the BLM in Vernal on a weekly basis.

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DRILLING PROGRAM

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7. ABNORMAL TEMPERATURES OR PRESSURES

- a. The expected bottom hole pressure is 7057 psi. The maximum bottom hole temperature anticipated is 212 degrees F.
- b. No hydrogen sulfide gas is anticipated. Abnormal Pressures will be controlled with mud weight and 5000# BOP and rotating head.

8. ANTICIPATED STARTING DATES AND NOTIFICATION OF OPERATIONS

- a. Drilling will commence upon approval of this application.
- b. It is anticipated that the drilling of this well will take approximately 35 days.
- c. The BLM in Vernal, Utah shall be notified of the anticipated date of location construction commencement and of anticipated spud date.
- d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.
- e. The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.
- f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6" Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the Vernal BLM District Office, 170 South 500 East, Vernal, UT 84078.
- g. <u>Immediate Report:</u> Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.
- h. If a replacement rig is contemplated for completion operations, a "Sundry Notice" Form 3160-5 to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.



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DRILLING PROGRAM

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- i. Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communications, not later than 5 days following the date on which the well is placed on production.
- j. Pursuant to Onshore Order No. 7, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.
- k. Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.
- I. A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9.d.), shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b.4.).
- m. A first production conference will be scheduled within 15 days after receipt of the first production notice.
- n. No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.
- o. Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

UNFIDENTIAL - TIGHT HOLE

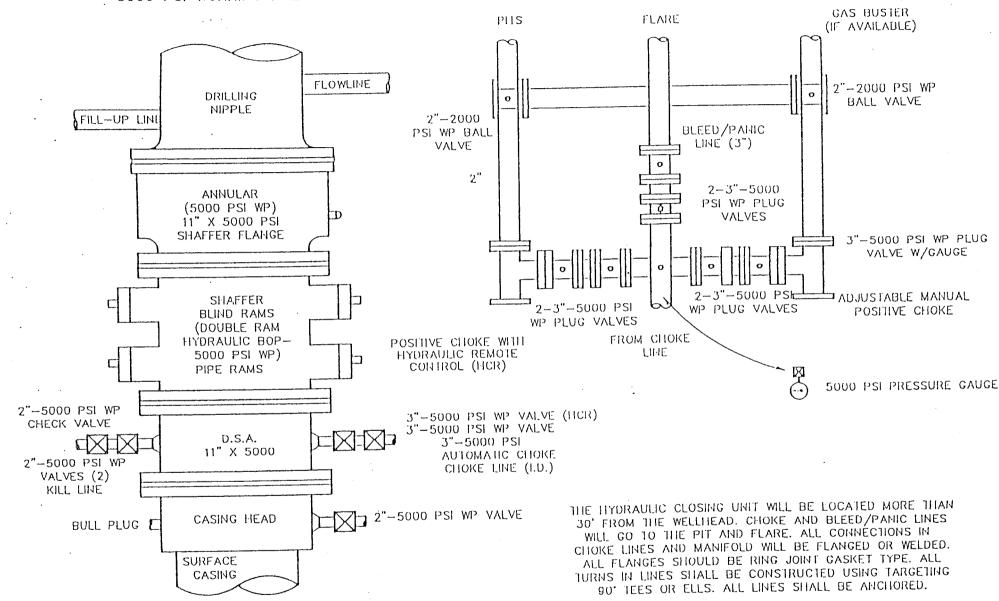
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Phone: 435/781-4400	Bureau of Land Management 170 South 500 East Vernal, Utah 84078 After Hours:	Fax: 435/781-4410
Matt Baker	Petroleum Engineer	435/828-4470
Michael Lee	Petroleum Engineer	435/828-7875





CONFIDENTIAL - TIGHT HOLE

ONSHORE ORDER NO. 1 Gasco Production Company Gate Canyon Federal #21-20-11-16

476' FNL and 2046' FWL NE NW Section 20, T11S - R16E Duchesne County, Utah

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SURFACE USE PLAN

Page 1

ONSHORE OIL & GAS ORDER NO. 1 NOTIFICATION REQUIREMENTS

Location Construction -

forty-eight (48) hours prior to construction of location and access roads.

Location Completion -

prior to moving on the drilling rig.

Spud Notice

at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing

twenty-four (24) hours prior to running casing and

cementing all casing strings.

BOP and Related **Equipment Tests**

twenty-four (24) hours prior to initiating pressure tests.

First Production -Notice

within five (5) business days after new well begins or

production resumes after well has been off production for more than

ninety (90) days.

The onsite inspection for the subject well site was conducted on Tuesday, October 4, 2005 at approximately 1:05 p.m. Weather conditions were cool, windy and overcast. In attendance at the onsite inspection were the following individuals:

Karl Wright

Natural Resource Specialist

Bureau of Land Management

Todd Megrath Venessa Langmacher

Wildlife Biologist

SWCA Permitco Inc.

Jesse Walton

Permitting Agent

Caleb Rounsaville

Surveyor Field Supervisor Uintah Engineering and Land Surveying

Gasco Production Company

EXISTING ROADS 1.

The proposed well site is located approximately 33.9 miles southeast of Myton, Utah. a.



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SURFACE USE PLAN Page 2

b. Directions to the location from Myton, Utah are as follows:

Proceed in a southeasterly direction from Myton, Utah for approximately 1.5 miles along Highway 40. Turn left and proceed southerly for 1.6 miles to a fork in the road. Turn right and proceed southwesterly for approximately 24 miles to a fork in the road. Turn left and proceed southeasterly for 5 miles to a fork in the road. Turn left and proceed northeasterly for 1.3 miles. Turn left and proceed northerly 200' until reaching the #41-19. Proceed northeasterly 0.5 miles until reaching the proposed location.

- c. For location of access roads within a 2-Mile radius, see Maps A & B.
- d. Improvement to existing main roads will not be required.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. Existing roads and newly constructed roads on surface under the jurisdiction of any Surface Managing Agency shall be maintained in accordance with the standards of the SMA.

2. PLANNED ACCESS ROADS

- a. There will be 0.5 miles of new access to be constructed.
- b. The maximum grade is approximately 5%.
- c. No turnouts are planned.
- d. Low water crossings will be installed as necessary.
- e. The access road was centerline surveyed at the time of staking.
- f. The use of surfacing material is not anticipated, however it may be necessary depending on weather conditions.
- g. No cattle guards will be necessary.



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SURFACE USE PLAN Page 3

- h. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.
- i. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).
- j. The road will be constructed/upgraded to meet the standards of the anticipated traffic flow and all weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowing and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.
- k. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.
- 1. No federal right of ways will be necessary because all access is within the Gate Canyon Unit or is on lease.

3. <u>LOCATION OF EXISTING WELLS WITHIN A 1-MILE RADIUS OF THE PROPOSED LOCATION.</u> (See Map "C")

- a. Water wells none
- b. Injection wells none
- c. Producing wells one
- d. Drilling wells none
- e. Shut-in wells none



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SURFACE USE PLAN Page 4

- f. Temporarily abandoned wells none
- g. Disposal wells -none
- h. Abandoned wells none
- i. Dry Holes none

4. LOCATION OF TANK BATTERIES AND PRODUCTION FACILITIES.

- a. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted Carlsbad Canyon. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.
- b. If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall surrounded by a containment dike of sufficient capacity to contain at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.
- c. If production is established, a production facility diagram will be submitted via Sundry Notice.
- d. All loading lines will be placed inside the berm surrounding the tank battery.
- e. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flow line will be buried or anchored down from the wellhead to the separator. Meter runs will be housed and/or fenced.
- f. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal Field Office. All meter measurement facilities will conform with Onshore Oil and Gas Order No. 4 for liquid hydrocarbons and Onshore Oil and Gas Order No. 5 for natural gas measurement.



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SURFACE USE PLAN

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- g. If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.
- h. Any necessary pits will be properly fenced to prevent any wildlife entry.
- i. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
- j. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
- k. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic.
- 1. The road will be maintained in a safe useable condition.
- m. Produced water will be stored in a 300 bbl heated, insulated tank, then hauled to a commercial disposal site such as Disposal Inc., or Brennan Bottom.
- n. Pipelines will follow the route shown on Map D. See Pipeline detail attached. No pipeline right of way will be required because it is all located within the lease.

5. LOCATION AND TYPE OF WATER SUPPLY

- a. The proposed water source will be the Nebecker Water Station in Myton. The Water Use Claim # is 43-1721.
- b. Water will be hauled by Nebecker Water Service to the location over the access roads shown on Maps A and B.
- c. No water well will be drilled on this lease.

6. SOURCE OF CONSTRUCTION MATERIAL

a. Surface and subsoil materials in the immediate area will be utilized.



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SURFACE USE PLAN

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- b. Any gravel used will be obtained from a commercial source.
- c. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2.3. Construction material will not be located on lease.
- d. No construction materials will be removed from Federal land.

7. METHODS OF HANDLING WASTE DISPOSAL

- a. The reserve pit will be constructed so as not to leak, break, or allow discharge.
- b. At the request of the BLM, the reserve pit will be lined with a 12 mil liner. If fractured rock is encountered, the pit will be first lined with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.
- c. Burning will not be allowed. All trash will be contained in a trash cage and its contents removed at the end of drilling operations and hauled to an approved disposal sight.
- d. After first production, produced waste water will be confined to a unlined pit or storage tank for a period not to exceed ninety (90) days. During the 90-day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.
- e. Drill cuttings are to be contained and buried in the reserve pit.
- f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.
- g. A chemical porta-toilet will be furnished with the drilling rig.
- h. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas salt water or other produced fluids will be cleaned up and removed.

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SURFACE USE PLAN

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8. ANCILLARY FACILITIES

There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

9. WELL SITE LAYOUT

- a. The operator or his/her contractor shall contact the BLM Office at 435/781-4400 forty-eight (48) hours prior to construction activities.
- b. The reserve pit will be located on the northwest side of the location.
- c. The flare pit will be located on the east side of the reserve pit, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.
- d. The stockpiled topsoil (first six inches) will be stored on the west side of the location, between Corners 4 and 2. Topsoil along the access route will be wind rowed on the uphill side.
- e. Access to the well pad will be from the west as shown on the Pit & Pad Layout.
- f. See Location Layout for orientation of rig, cross section of drill pad and cuts and fills.
- g. The location of mud tanks; reserve pit, trash cage; pipe racks; living facilities and soil stockpiles will be shown on the Location Layout.
- h. All pits will be fenced according to the following minimum standards:
 - 1. 39 inch net wire shall be used with at least one strand or barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
 - 2. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.
 - 3. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

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SURFACE USE PLAN

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- 4. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- 5. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.
- i. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until cleanup.

10. PLANS FOR RESTORATION OF SURFACE

Producing Location

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
- c. If a plastic nylon reinforced liner is used it shall be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed and all cans, barrels, pipe, etc., will be removed.
- e. Reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. The following seed mixture has been requested by the Bureau of Land Management.

Species	Pounds PLS/Acres
Indian Ricegrass	4
High Crested Wheatgrass	4



Duchesne County, Utah

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Species	Pounds PLS/Acres
Needle & Thread Grass	4
TOTAL	12

Seeding will be performed immediately after the location has been reclaimed and the pit has been backfilled, regardless of the time of year. Seed will be broadcast and walked in with a dozer.

f. The topsoil stockpile will be seeded as soon as the location has been constructed with the same recommended seed mix. The seed will be walked in with a cat.

Dry Hole

g. At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

Interim Surface Reclamation will be as follows:

- 1. Immediately after final well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production operations.
- 2. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in the reserve pit will be removed. Other waste and spoil materials will be disposed of immediately, weather permitting, upon final well completion.
- 3. If a synthetic, nylon re-enforced, liner is used, the excess liner will be cut off and removed and the remaining liner will be torn and perforated while backfilling the reserve pit.

 Alternatively, the pit will be pumped dry, the liner folded into the pit, and the pit backfilled. The liner will be buried to a minimum of four (4) feet deep.
- 4. The reserve pit will be reclaimed within 180 days from the date of final well completion, weather permitting.



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SURFACE USE PLAN

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5. The reserve pit and that portion of the location not needed for production and storage facilities, and everyday production operations, will be reshaped to the approximate original contours to the extent possible. This will be completed by backfilling and crowning the pit to prevent water from standing. Topsoil will be re-spread up to the rig anchor points, excluding the area needed for production and storage facilities and everyday production operations. Re-seeding, using appropriate reclamation methods, will occur immediately following the re-spreading of topsoil, weather permitting. The Authorized Officer will provide a seed mixture to re-vegetate the reserve pit and other unused disturbed areas at the time of the onsite.

11. SURFACE OWNERSHIP

Access Roads - The majority of the access roads are maintained by the County Road Department or the Bureau of Land Management.

Well pad - The well pad is located on lands managed by the BLM.

12. OTHER INFORMATION

- a. A Class III archeological survey has been conducted by Grand River Institute. A copy of this report is attached.
- b. The operator is responsible for informing all persons in the areas who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:
 - -whether the materials appear eligible for the National Register of Historic Places;
 - -the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and



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-a time frame for the AO to complete and expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate. If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- c. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- d. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure.
- e. All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.
- f. A complete copy of the approved APD shall be on location during construction of the location and drilling activities.
- g. There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended or abandoned will be identified in accordance with 43 CFR 3162.
- h. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.



CONFIDENTIAL - TIGHT HOLE

ONSHORE ORDER NO. 1
Gasco Production Company
Gate Canyon Federal #21-20-11-16
476' FNL and 2046' FWL
NE NW Section 20, T11S - R16E
Duchesne County, Utah

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- i. This permit will be valid for a period of one year from the date of approval. An extension period may be granted, if requested, prior to the expiration of the original approval period. After permit termination, a new application will be filed for approval for any future operations.
- j. The operator or his contractor shall contact the BLM Offices at 435/781-4400 48 hours prior to construction activities.
- k. The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

Permit Matters <u>Drilling & Completion Matters</u>

 PERMITCO INC.
 Gasco Production Company

 14421 County Road 10
 8 Inverness Drive East, Suite 100

 Ft. Lupton, CO 80621
 Englewood, CO 80112

 303/857-9999 (O)
 John Longwell

 303/857-0577 (F)
 303/483-0044 (O)

 Lisa Smith
 303/483-0011(F)

Shawn Elworthy Roosevelt, UT (Cell) 435-823-4272

CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Gasco Production Company and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

This statement is subject to the provisions of 18.U.S.C. 1001 for the filing of a false statement.

December 2, 2005

Date:

Venessa Langmacher - PERMITCO INC.

Authorized Agent for:

Gasco Production Company



GASCO PRODUCTION COMPANY

GATE CANYON FEDERAL #21-20-11-16

LOCATED IN DUCHESNE COUNTY, UTAH **SECTION 20, T11S, R16E, S.L.B.&M.**

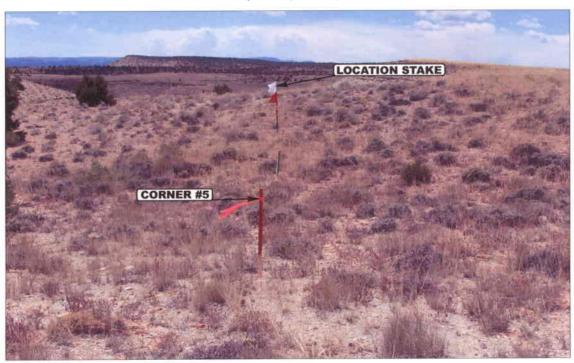


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY

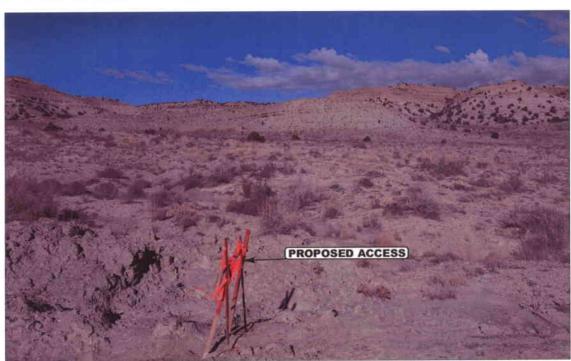


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHERLY



LOCATION PHOTOS

MONTH DAY YEAR

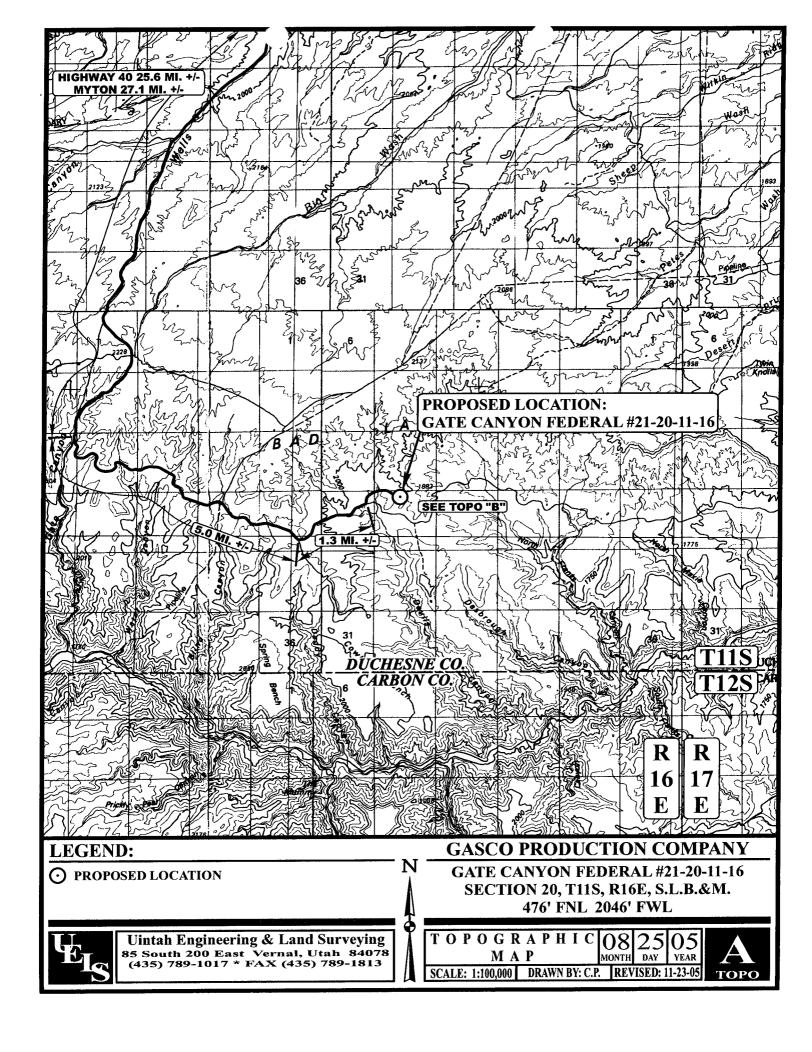
TAKEN BY: B.H. DRAWN BY: C.P. REVISED: 11-23-05

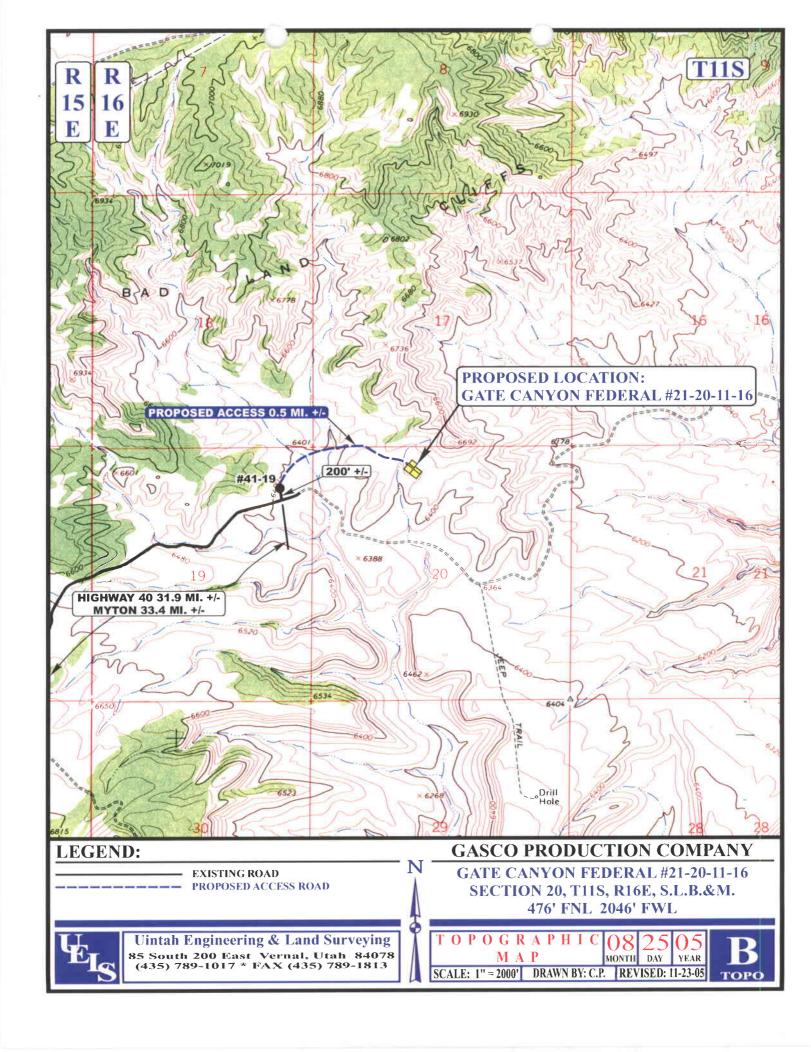
РНОТО

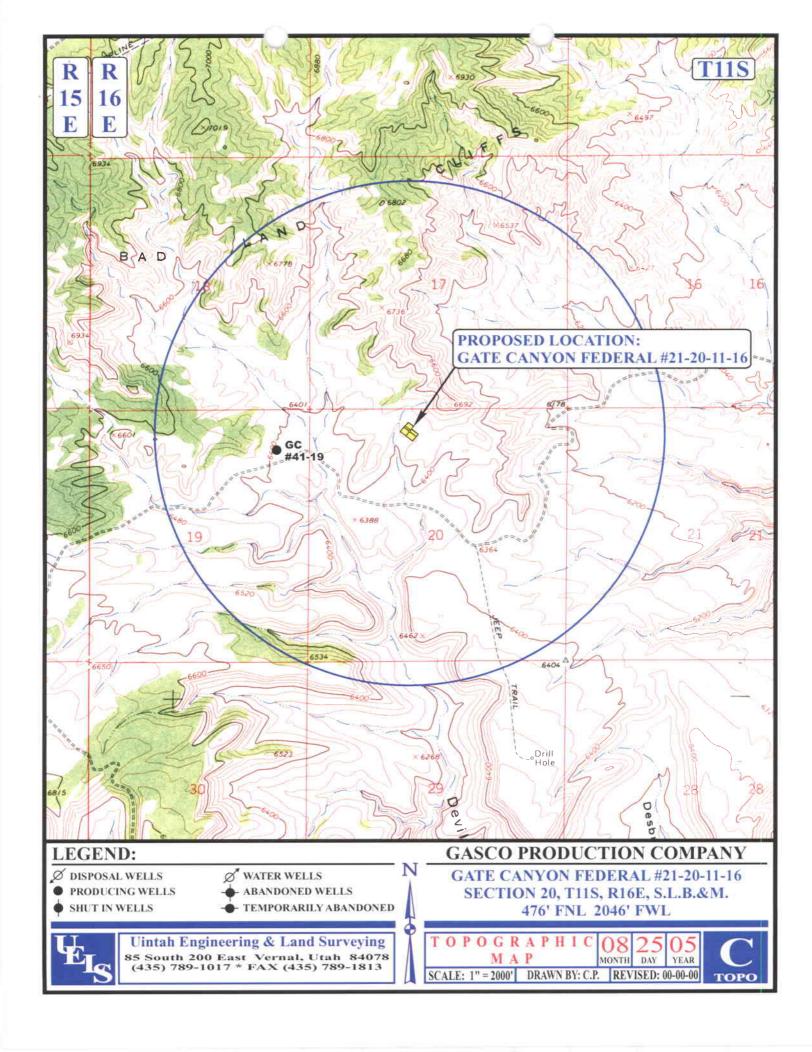
PIPELINE INFORMATION Gate Canyon Federal #21-20-11-16

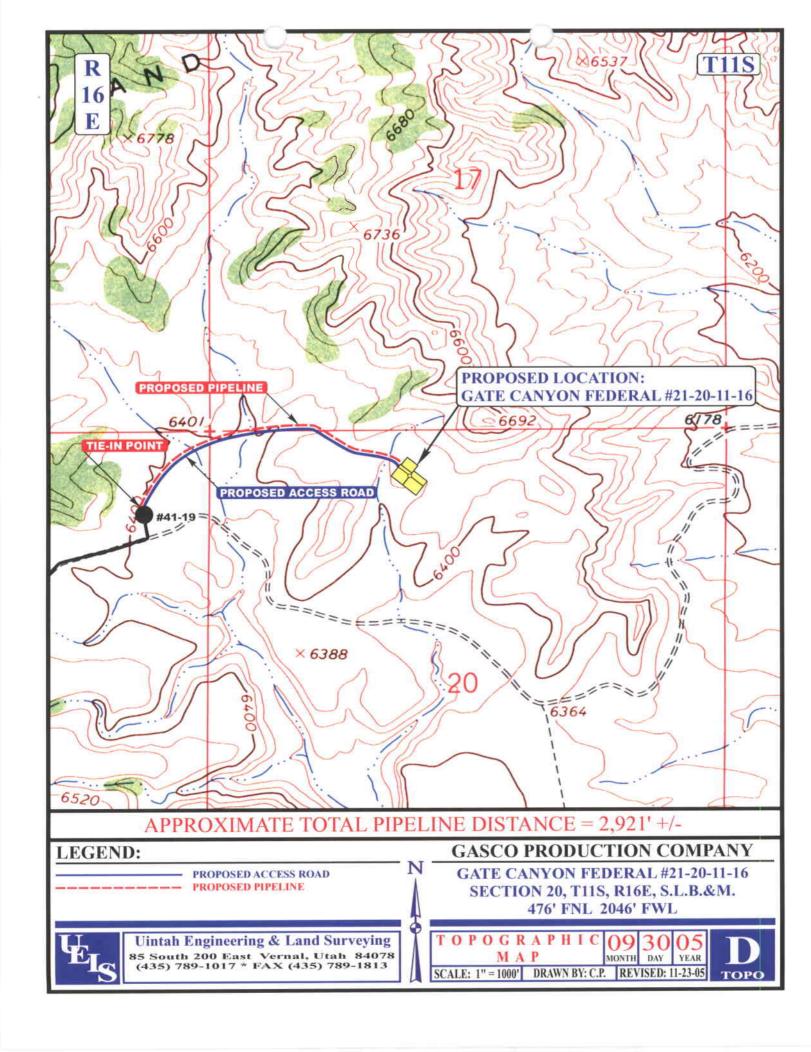
- 1. The type of pipeline is a single well flow line.
- 2. The outside diameter (O.D.) of all will be 8 inches maximum.
- 3. The anticipated production through the line is approximately 2000 MCF per day.
- 4. The anticipated maximum test pressure is 1000 psi.
- 5. The anticipated operating pressure is 100-200 psi.
- 6. The type of pipe is steel.
- 7. The method of coupling is welded.
- 8. The pipeline will be laid on surface because of the caprock surface and botany habitat.
- 9. There are no other pipelines to be associated in same right of way.
- 10. There will be other objects to be associated in the same right of way. (Risers, Pig Launchers Pig Traps, meters and other appurtenances as required.)
- 11. The total length of pipeline is approximately 2,921' see Map D.
- 12. The line will be laid on surface as shown on Map D. Where possible, the pipeline will follow existing or proposed roads.
- 13. The construction width for total surface disturbing activities is 30 feet.
- 14. The estimated total acreage involving all surface disturbing activities is 2 acres.
- 15. Any surface disturbance created as a result of the pipeline construction will be reclaimed utilizing the reclamation procedures and seed mixture specified by the Bureau of Land Management.
- 16. The line will be tested with gas pressure to 1000 psi.

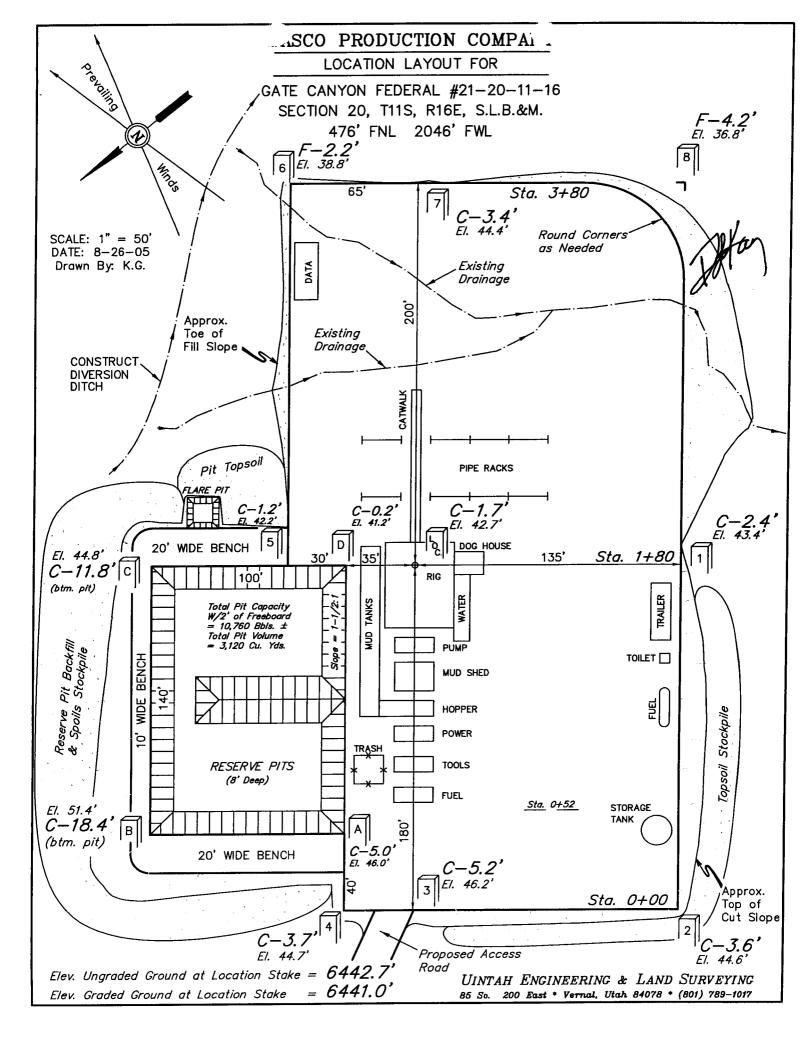


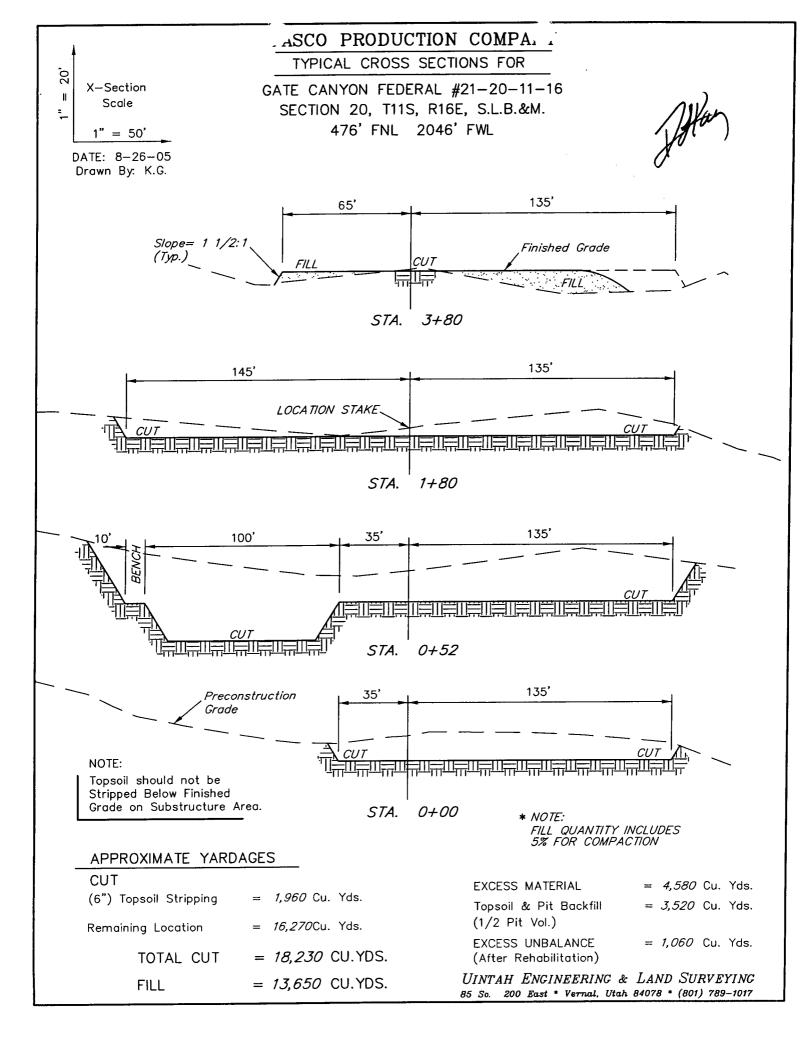












FEDERAL STIPULATIONS

Any wildlife stipulations that pertain to this lease will be attached as a Conditional of Approval by the Bureau of Land Management.



BOTANY

The Botany Survey was completed by SWCA, Inc. A copy of the report will be sent directly by SWCA.

PALEONTOLOGY

A Paleo-Evaluation was conducted by Alden Hamblin on September 19, 2005.

No mitigation is recommended.



♣ Grand River Institute **♣**

P.O. Box 3543 Grand Junction, CO 81502 970/245-7868 FAX 970/245-6317

September 19, 2005

1 1

Gasco, Inc. 14 Inverness Drive East Suite H-236 Englewood, CO 80112

Attn: Mike Decker

Re: GRI Project No. 2588 – Class III cultural resources inventory for three proposed Gate Canyon well locations (State #23-16-11-16, Fed. #21-20-11-16, Fed. #24-15-11-16) in Duchesne County, Utah [U05-GB-1014b,s]

Dear Mike:

Enclosed are two copies of our final report for the above cited project. Copies have been distributed as indicated below. Also enclosed is our invoice. Please call me if you have any questions or comments.

Sincerely,

Carl E. Conner

Cal E. Corner

Director

Enc.

Distribution:

2- Blaine Phillips, BLM Vernal Field Office

2 - Kenny Wintch, Utah State Land Trust

1 – Lisa Smith, Permitco



Form UT-8100-3 (December 2000)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT UTAH STATE OFFICE**

Page 1 of 2

Summary Report of Cultural Resources Inspection

Project No.: U-05-GB-1014b,s

[GRI Project No. 2588]

1. Report Title: Class III cultural resources inventory for three proposed Gate Canyon well locations, new accesses and pipeline routes in Duchesne County, Utah for **Gasco Production Company**

2. Report Date: 19 September 2005

3. Date(s) of Survey: 17 September 2005

4. Development Company: Gasco Production Company

5. Responsible Institution: BLM Vernal Field Office

6. Responsible Individuals Principal Investigator: Field Supervisor: Carl E. Conner

Report Author(s): Carl E. Conner

7. BLM Field Office: Vernal Field Office

8. County(ies): Duchesne

9. Fieldwork Location: T. 11 S., R. 16 E., Sections 15, 16, 19, 20, and 21; SLBM

10. Record Search:

Location of Records Searched: Bureau of Land Managment, Vernal Date: 9/12/2003

Utah Div. of State History

Date: 9/13/2003

11. Description of Proposed Project: 3 wells and 4.27 miles of new road/pipeline

12. Description of Examination Procedures: A Class III, 100% pedestrian, cultural resources survey of the proposed well locations was made by walking a series of concentric circles around the flagged centers to diameters of 750 feet. The related new access and pipeline routes (22569 linear feet) not included within the 10-acre study plots were surveyed by walking four parallel transects spaced at 15m intervals and centered on the flagged lines to cover corridors 200 feet wide. A total of about 133.6 acres (86.1 BLM acres, 47.5 State acres) was intensively surveyed.

13. Area Surveyed:		BLM	OTHER FED	STATE	PRI.
Linear Miles Intensive:		2.73 miles		1.54 miles	
	Recon/Intuitive:				
Acreage	Intensive:	20		10	
	Recon/Intuitive:				

14. Sites Recorded:

Smithsonian Sit	e Numbers	#	BLM	OTHER FED	STATE	PRI.
Revisits	NR Eligible	0				
(no IMACS form)	Not Eligible	0				
Revisits	NR Eligible	0				
updated IMACS)	Not Eligible	0				
New	NR Eligible	0				
Recordings						
	Not Eligible	0				
Total Number of		0			. •	
Archaeological S	Sites					
Historic Structur	es	0				
(USHS Form)						
Total National Register		0				
Eligible Sites						

- 15. Description of Findings: (see attached report) No significant historic properties were identified within the areas of direct impact.
- 16. Collection Yes No

(If Yes) Curation Facility:

Accession Number(s):

17. Conclusion/Recommendations: Archaeological clearance is recommended.

8100-3 Form

UTAH STATE COVER PAGE

Must Accompany All Project Reports
Submitted to Utah SHPO

Project Name: Class III cultural resources inventory for three proposed Gate Canyon well locations, new accesses and pipeline routes in Duchesne County, Utah for Gasco Production Company

State Project. No. U05-GB-1014 b,s

Report Date: 19 September 2005

County(ies): Duchesne

Principal Investigator: Carl E. Conner

Field Supervisor(s): Carl E. Conner

Records search completed at: BLM Vernal/UDSH Record search date(s): 09/12/2005 and 09/13/05

Acreage Surveyed ~ Intensive: 133.6 acres (86.1 BLM, 47.5 State)

Recon/Intuitive: 0 acres

7.5' Series USGS Map Reference(s): Cowboy Bench and Pinnacle Canyon (1968)

Sites Reported	Count	Smithsonian Site Numbers
Archaeological Sites Revisits (no inventory form update)	0	
Revisits (updated IMACS site inventory form attached)	0	
New recordings (IMACS site inventory form attached)	0	
Total Count of Archaeological Sites	0	
Historic Structures (USHS 106 site info form attached)	0	
Total National Register Eligible Sites	0	

Checklist of Required Items
1. X Copy of the Final Report
2. X Copy of 7.5' Series USGS Map with Surveyed/Excavated Area Clearly Identified.
3. Completed IMACS Site Inventory Forms, Including
Parts A and B or C,The IMACS Encoding Form,
Site Sketch Map,Photographs
Copy of the appropriate 7.5' Series USGS Map w/ the Site Location Clearly Marked and Labeled with
the Smithsonian Site Number
4. X Completed "Cover Sheet" Accompanying Final Report and Survey Materials (Please make certain all of your
checked items are attached.)

Class III Cultural Resource Inventory Report for Three Proposed Gate Canyon Well Locations, New Accesses and Pipeline Routes in Duchesne County, Utah for Gasco Production Company

UDSH Project Authorization No. U-05-GB-1014b,s Declaration of Negative Findings

GRI Project No. 2588

19 September 2005

Prepared by

Grand River Institute
P.O. Box 3543

Grand Junction, Colorado 81502

Carl E. Conner, Principal Investigator

Submitted to

School and Institutional Trust Lands Administration 675 East 500 South, Suite 500 Salt Lake City, Utah 84102-2818

and

The Bureau of Land Management Vernal District Office 170 South 500 East Vernal, Utah 84078

Abstract

Grand River Institute conducted a Class III cultural resources inventory for Gasco Production Company for the proposed Gate Canyon State #23-16-11-16, Gate Canyon Federal #21-20-11-16, and Gate Canyon Federal #24-15-11-16 well locations and the related new accesses and pipeline routes (4.27 miles) in Duchesne County, Utah, under Utah Division of State History (UDSH) Project Authorization No. U-05-GB-1014b,s. This work was done to meet requirements of State and Federal laws that protect cultural resources.

Files searches conducted through the UDSH and through the BLM Vernal District Office (BLM) indicated no sites were previously recorded in the project areas. Field work was performed on the 17th of September 2005. A total of about 133.6 acres was inspected (86.1 BLM acres, 47.5 State acres), and no significant cultural resources were identified. Accordingly, archaeological clearance is recommended.

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udy Findings and Management Recommendations	4
eferences	5

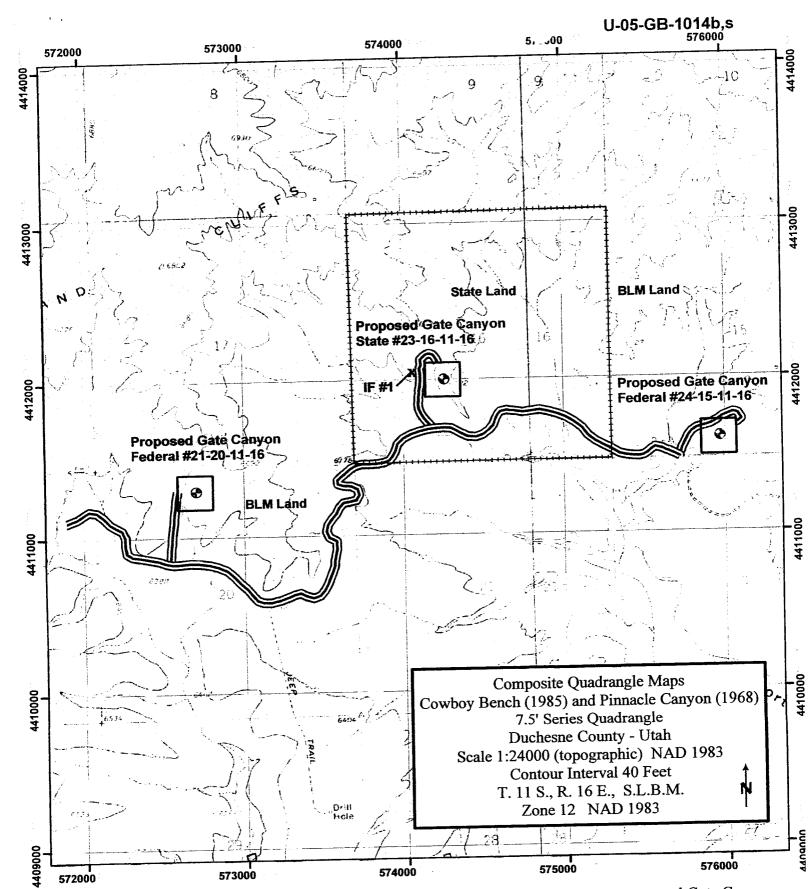


Figure 1. Project location map for the Class III cultural resource inventory for three proposed Gate Canyon well locations, new accesses and pipeline routes in Duchesne County for Gasco Production Company. Areas surveyed for cultural resources are highlighted. [GRI Project No. #2588, 9/19/05]

Introduction

At the request of Gasco Production Company (Gasco), the Utah State School and Institutional Trust Lands Administration (State), and the Bureau of Land Management Vernal Field Office (BLM), Grand River Institute (GRI) conducted an intensive (Class III) cultural resources inventory for the proposed Gate Canyon State #23-16-11-16, Gate Canyon Federal #21-20-11-16, and Gate Canyon Federal #24-15-11-16 well locations and the related new accesses and pipeline routes (4.27 miles) in Duchesne County, Utah. This work was performed under Utah Division of State History (UDSH) Project Authorization No. U-05-GB-1014b,s. The file searches, survey and report were completed by Carl E. Conner (Principal Investigator) and Barbara J. Davenport of GRI.

The survey was done to meet requirements of State and Federal laws (including the Federal Land Policy and Management Act of 1976, the National Historic Preservation Act as amended in 1992, and the National Environmental Policy Act (NEPA) of 1969), which are concerned with the identification, evaluation, and protection of fragile, non-renewable evidences of human activity, occupation and endeavor reflected in districts, sites, structures, artifacts, objects, ruins, works of art, architecture, and natural features that were of importance in human events. Such resources tend to be localized and highly sensitive to disturbance.

Location of Project Area

The study area lies roughly 28.0 miles south of Myton, Utah, in Duchesne County. It is located in T. 11 S., R. 16 E., Sections 15, 16, 19, 20 and 21; S.L.B.M. (Figure 1).

Environment

The project areas are within the major geologic subdivision of the Colorado Plateau known as the Uinta Basin Section. In Utah, this section extends from the Uinta Mountains on the north to the Book Cliffs on the south. It is a broad downwarp into which Quaternary-and Tertiary-age deposits were made from the surrounding mountains which include Holocene and Pleistocene pediment deposits, and Eocene-age fluvial and lacustrine sedimentary rocks (Rigby 1976:xi). Physiographically, the basin includes the Uinta basin in the north portion and the Book Cliffs/Roan Plateau in the south portion.

Topographically, the project is situated on the southern slopes of the Bad Land Cliffs. The Bad Land Cliffs are located along the extreme northern edge of the Bookcliffs and Roan Plateau. The Bad Land Cliffs is a steep south-facing escarpment at the southern edge of the Uinta Basin and consists of two parts, the Upper Roan Cliffs which are Eocene age, and the lower Book Cliffs which are Cretaceous age. This plateau backslope is commonly named the West Tavaputs Plateau. The terrain is characterized as bench land cut by dendritic

washes, which flow seasonally. The immediate project area is drained by Devils Canyon, and North Franks Canyon. These have steep walls with clay and shale exposures. and benches of sandstone.

Elevations in the project area range from 6000-to-6440 feet. Vegetation is mixed shadscale desert community and sparse pinyon-juniper woodland. Regional faunal inhabitants include deer, antelope, elk, black bear, coyote, mountain lion, cottontails, jack rabbits, and various raptores.

A cool, mid-latitude steppe climate prevails. Annual precipitation of this elevation range is between 8 and 12 inches. Temperatures range from 100°F in the summer to -40°F in January. Paleoenvironmental data are scant, but it is generally agreed that gross climatic conditions have remained fairly constant over the last 12,000 years. However, changes in effective moisture, and cooling-warming trends probably affected the prehistoric occupation of the region.

Files Search

Files searches were conducted through BLM on September 12th and UDSH on September 13th. Previous projects in the areas near the proposed wells, accesses and pipeline routes include U-04-SJ-1374s,f, and 93-BL-0205. No cultural resources have been recorded within a half mile of any of the discrete project areas. Based on the low density of recorded sites and isolated finds in this project's vicinity, no significant resources are expected to be found.

Regional archaeological studies suggest nearly continuous human occupation of northeastern Utah for the past 12,000 years. Evidence of the Paleoindian Tradition, the Archaic Tradition, Fremont Culture, and Protohistoric/Historic Utes has been found. Historic records suggest occupation or use by EuroAmerican trappers, settlers, miners, and ranchers as well. Overviews of the prehistory and history of the region are provided in the Utah BLM Cultural Resource Series No. 11, Archaeological Inventory in the Seep Ridge Cultural Study Tract, Uintah County, Northeastern Utah with a Regional Predictive Model for Site Locations (Chandler and Larralde 1980), and in Cultural Resources Existing Data Inventory Vernal District, Utah (Jones and Mackay 1980).

Study Objectives

The purpose of the study was to identify and record all cultural resources within the areas of potential impact and to assess their significance and eligibility to the National Register of Historic Places (NRHP). The statements of significance included in this report are field assessments made in support of recommendations to the State Historic Preservation Officer (SHPO).

Paleontological resources were also considered in the inspection. However, a final evaluation of those resources must be provided by a paleontologist permitted by Utah.

Field Methods

A Class III, 100% pedestrian, cultural resources survey of the proposed well locations was made by walking a series of concentric circles around the flagged centers to diameters of 750 feet. The related new access and pipeline routes (22569 linear feet) not included within the 10-acre study plots were surveyed by walking four parallel transects spaced at 15m intervals and centered on the flagged lines to cover corridors 200 feet wide. A total of about 133.6 acres (86.1 BLM acres, 47.5 State acres) was intensively surveyed.

Cultural resources were sought as surface exposures and were characterized as sites or isolated finds. Sites were defined by the presence of six or more artifacts and/or significant feature(s) indicative of patterned human activity. Isolated finds were defined by the presence of 1 to 5 artifacts apparently of surficial nature or a group of items indicating a single occurrence. Cultural resources encountered were to be recorded to standards set by the Preservation Office of the Utah Division of State History (UDSH).

The basic approach to the data collection was to be the continuous mapping of observed artifacts and features by recording UTM coordinates (NAD 83 Datum) using a Trimble Geo XT. Site maps were to be created using corrected data and ARCMAP. Photographs were to be taken at each site and include a general view and specific artifacts or features. When taken, field notes and photo negatives are filed at Grand River Institute, while the photographs are submitted to the UDSH. No artifacts were collected.

Study Findings and Management Recommendations

As expected, no significant cultural resources were encountered during the survey. One historic isolated find of about 10+ hole-in-top cans was noted and recorded as IF#1. This find is considered non-significant and no further work is necessary. Accordingly, archaeological clearance is recommended for the proposed wells and their related new accesses and pipeline routes.

References

Jones, Kevin T. and K.L. Mackay

. •

1980 Cultural Resources Existing Data Inventory Vernal District, Utah. Report of Investigations 80-18, University of Utah, Salt Lake City.

Larralde, Signa L. and Susan M. Chandler

Archaeological inventory in the Seep Ridge Cultural Study Tract, Uintah County, Utah. In: Utah BLM Cultural Resource Series No. 11. Bureau of Land Management, Salt Lake City.

Rigby, J. Keith

1976 Northern Colorado Plateau. Kendall/Hunt Publishing Company. Dubuque.



Bureau of Land Management Vernal Field Office 170 S. 500 E. Vernal, UT 84078

Attn: Minerals

Re:

Gentlernen:

This letter is to inform you that Permitco Inc. is authorized to act as Agent and to sign documents on behalf of Gasco Production Company, a wholly owned subsidiary of Gasco Energy, Inc. when necessary for filing county, state and federal permits including Onshore Order No. 1, Right of Way applications, etc., for the above mentioned well.

It should be understood that Permitco is acting as Agent only in those matters stated above and is not responsible for drilling, completion, production or compliance with regulations.

Gasco Production Company agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above-mentioned well.

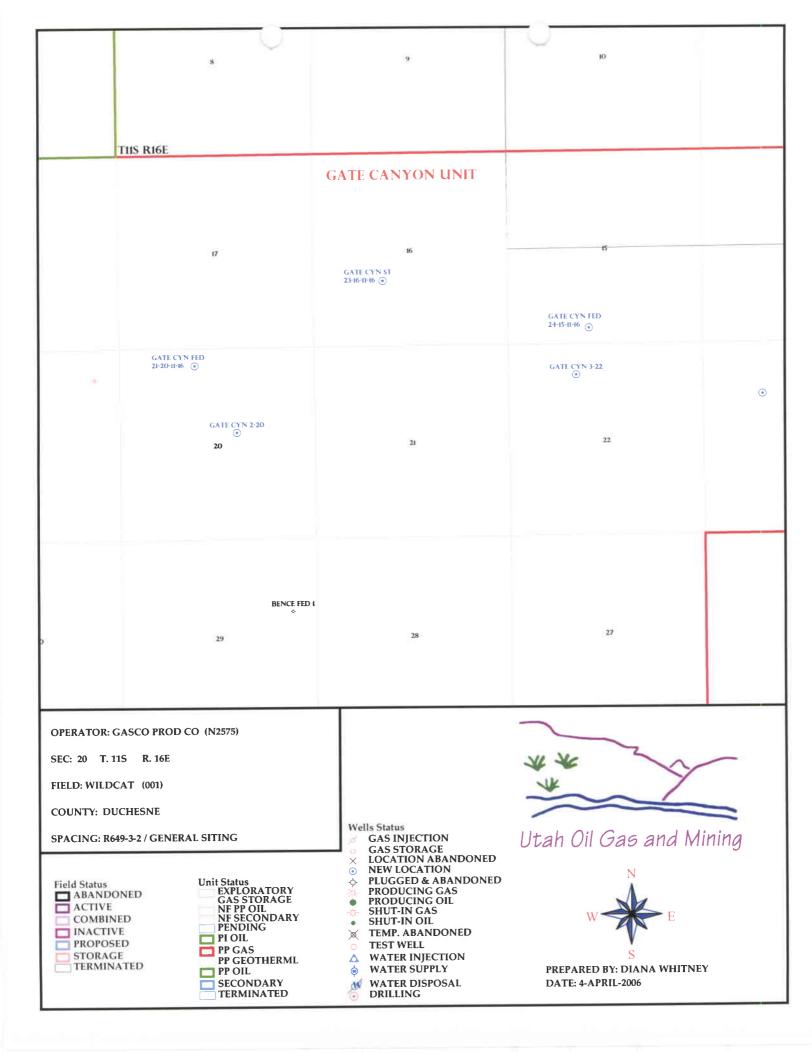
A Lay Galy

Mark J. Choury

Land Manager

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/29/2006	API NO. ASSIGNED: 43-013-33127		
WELL NAME: GATE CYN FED 21-20-11-16			
OPERATOR: GASCO PRODUCTION (N2575)	PHONE NUMBER: 303-857-9999		
CONTACT: VENESSA LANGMACHER			
PROPOSED LOCATION:	INSPECT LOCATN BY: / /		
NENW 20 110S 160E	Tech Review Initials Date		
SURFACE: 0476 FNL 2046 FWL BOTTOM: 0476 FNL 2046 FWL	Engineering		
COUNTY: DUCHESNE	Geology		
LATITUDE: 39.84861 LONGITUDE: -110.1494	Gun Fa ra		
UTM SURF EASTINGS: 572766 NORTHINGS: 44110			
FIELD NAME: WILDCAT (1 LEASE TYPE: 1 - Federal LEASE NUMBER: UTU-74395 SURFACE OWNER: 1 - Federal	PROPOSED FORMATION: BLKHK COALBED METHANE WELL? NO		
RECEIVED AND/OR REVIEWED:	LOCATION AND SITING:		
√ Plat	R649-2-3.		
Bond: Fed[1] Ind[] Sta[] Fee[]	Unit: GATE CANYON		
(No. <u>UT-1233</u>)	R649-3-2. General		
Potash (Y/N)	Siting: 460 From Qtr/Qtr & 920' Between Wells		
Oil Shale 190-5 (B) or 190-3 or 190-13 Water Permit	R649-3-3. Exception		
(No. 43-1721)	Drilling Unit		
RDCC Review (Y/N)	Drilling Unit Board Cause No:		
(Date:)	Eff Date:		
<u>਼ਮਮ</u> Fee Surf Agreement (Y/N)	Siting:		
<u>)।।</u> Intent to Commingle (Y/N)	R649-3-11. Directional Drill		
COMMENTS:			
STIPULATIONS: 1. Compare			
STREETH ATTIONS: If \mathbf{G}_{-} is $M = \{\mathbf{k}, \mathbf{k}\}$ and			
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2. Spacing Sty			
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United States Department of the Interior

BUREAU OF LAND MANAGEMENT **Utah State Office** P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

April 19, 2006

Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2006 Plan of Development Gate Canyon Unit, Duchesne

County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Gate Canyon Unit, Duchesne County, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ Blackhawk)

43-013-33127 GC Fed 21-20-11-16 Sec 20 T11S R16E 0476 FNL 2046 FWL 43-013-33126 GC Fed 24-15-11-16 Sec 15 T11S R16E 0458 FSL 2216 FWL

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

File - Gate Canyon Unit

Division of Oil Gas and Mining

Central Files Agr. Sec. Chron Fluid Chron

MCoulthard:mc:4-19-06



Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

> JOHN R. BAZA Division Director

JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

April 20, 2006

Gasco Production Company 8 Inverness Drive East, Suite 100 Englewood, CO 80112

Gate Canyon Federal 21-20-11-16 Well, 476' FNL, 2046' FWL, NE NW, Re: Sec. 20, T. 11 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33127.

Sincerely,

Gil Hunt Associate Director

Still

mf **Enclosures**

Duchesne County Assessor cc:

Bureau of Land Management, Vernal District Office

Operator:	Gasco Production Company				
Well Name & Number	Gate Co	Gate Conyon Federal 21-20-11-16			
API Number:	43-013-33127				
Lease:	UTU-7	4395			
Location: NE NW	Sec. 20_	T. _11 South	R. 16 East		

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dan Jarvis at (801) 538-5338

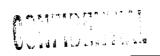
3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL. GAS AND MINING



FORM 9

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74395				
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
	NA 7. UNIT or CA AGREEMENT NAME:				
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter pludrill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	Gate Canyon				
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER:				
2. NAME OF OPERATOR:	Gate Canyon Fed 21-20-11-16				
Gasco Production Company	9. API NUMBER: 4301333127				
3. ADDRESS OF OPERATOR: PHONE NUM					
	83-0044 Wildcat				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 476' FNL & 2046' FWL	соинту: Duchesne				
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 20 11S 16E	STATE: UTAH				
11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOT	ICE, REPORT, OR OTHER DATA				
TYPE OF SUBMISSION TYPE OF A	CTION				
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION				
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL				
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON				
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR				
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE				
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL				
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RE	ESUME) WATER SHUT-OFF				
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL	SITE OTHER: Extend Permit				
CONVERT WELL TYPE RECOMPLETE - DIFFERE	ENT FORMATION				
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Gasco Production Company would like to request a one year extension on this APD from the date it is due to expire (April 20, 2007) Approved by the Utah Division of Oil, Gas and Mining Date: Date: OPY SENT TO OPERATION Calor: OPY SENT TO OPERATION CALORS AND THE OPERATION C					
NAME (PLEASE PRINT) Beverly Walker TITLE Engin	eering Tech				
SIGNATURE MUNICIPALITY DATE 4/12/2	2007				

This space for State use only

RECEIVED

APR 1 6 2007

Application for Permit to Drill Request for Permit Extension

Validation

(this form should accompany the Sundry Notice requesting permit extension)

API:

4301333127

Lessien: N	-		
		T11S-R16E Duchesne County	
• •		Gasco Production Company	
Date Original Pe	rmit issued:	4/20/2007	
above, hereby ve	rifies that the i	legal rights to drill on the p information as submitted in mains valid and does not re	the previously
Following is a cheverified.	ecklist of some	e items related to the applic	ation, which should be
If located on priva agreement been	-	he ownership changed, if so □No☑	o, has the surface
		he vicinity of the proposed nts for this location? Yes⊟	
	•	er agreements put in place t roposed well? Yes⊡ No ☑	that could affect the
	-	to the access route includin proposed location? Yes⊡N	- · · · ·
Has the approved	I source of wa	ter for drilling changed? Ye	s□No☑
	a change in p	changes to the surface local lans from what was discuss	
Is bonding still in	place, which c	covers this proposed well?	Yes⊠No□
Deensley 11	b/k	4/12	2/2007
/Signature /	,		Date
Title: Engineering	Гесhnician		
Representing:	asco Production (Company	
			RECEIVED

DIV. OF OIL, GAS & MINING

APR 1 6 2007

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74395				
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA				
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME: Gate Canyon				
1. TYPE OF WELL OIL WELL ☐ GAS WELL ✓ OTHER	8. WELL NAME and NUMBER:				
2. NAME OF OPERATOR:	Gate Canyon Fed 21-20-11-16 9. API NUMBER:				
Gasco Production Company	4301333127				
3. ADDRESS OF OPERATOR: 8 Inverness Dr E, Ste 100 City Englewood STATE Co City Englewood (303) 483-0044	10. FIELD AND POOL, OR WILDCAT: Wildcat				
4. LOCATION OF WELL					
FOOTAGES AT SURFACE: 476' FNL & 2046' FWL	COUNTY: Duchesne				
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 20 11S 16E	STATE: UTAH				
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REP	PORT, OR OTHER DATA				
TYPE OF SUBMISSION TYPE OF ACTION					
✓ NOTICE OF INTENT ☐ DEEPEN ☐ DEEPEN	REPERFORATE CURRENT FORMATION				
(Submit in Duplicate)	SIDETRACK TO REPAIR WELL				
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON				
CHANGE TO PREVIOUS PLANS DERATOR CHANGE	TUBING REPAIR				
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE				
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL				
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF				
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	✓ OTHER: Extend Permit				
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATIC	DN				
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, vol	umes, etc.				
Gasco Production Company would like to request a one year extension on this APD from 2008)	the date it is due to expire (April 20,				
Approved by the Utah Division of Oil, Gas and Mining					
Date: 04-15-08	COPY SENT TO OPERATOR				
By:	Date: 4 · 15 · 2008 Initials: K5				
<i>7</i> 7					
NAME (PLEASE PRINTY) Beverly Walker TITLE Engineering Tech					
SIGNATURE VILLE / / / / / / / / / DATE 4/9/2008					

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RESET

Application for Permit to Drill Request for Permit Extension Validation (this form should accompany the Sundry Notice requesting permit extension)

API:	4301333127			
Well Name:	Gate Canyon Feder			
		T11S-R16E Duchesne Coun	•	
• •		Gasco Production Compan	y	
Date Original	Permit Issued:	4/20/2000		
above, hereby	verifies that the	n legal rights to drill on information as submitte mains valid and does r		
Following is a overified.	checklist of some	e items related to the a	pplication, which should be	
	rivate land, has t en updated? Yes	he ownership changed □No☑	, if so, has the surface	
•		the vicinity of the propo nts for this location? Yo	sed well which would affect es ☐ No ☑	
	-	er agreements put in pl proposed well? Yes⊡ N	ace that could affect the lo☑	
	•	to the access route incoroposed location? Yes	luding ownership, or right- ⊧⊟ No ☑	
Has the approv	ed source of wa	iter for drilling changed	? Yes□No☑	
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑				
Is bonding still	in place, which o	covers this proposed w	ell? Yes⊠No□	
- Aretali	110Mi		4/9/2008	
Şignature /	CAMPAG		Date	
Title: Engineeri	ng Technician	····		
Representing:	Gasco Production	Company		



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 4, 2009

Gasco Production Company 8 Inverness Dr. East, Ste. 100 Englewood, CO 80112

Re: APD Rescinded – Gate Canyon Fed 21-20-11-16, Sec. 20 T. 11S, R. 16E

Duchesne County, Utah API No. 43-013-33127

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on April 20, 2006. On April 16, 2007 and on April 15, 2008 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective June 4, 2009.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason

Environmental Scientist

cc: Well File

Bureau of Land Management, Vernal



STATE OF UTAH			FORM 9		
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74395		
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	sals to drill new wells, significantly deepen exisugged wells, or to drill horizontal laterals. Use A		7.UNIT or CA AGREEMENT NAME: GATE CANYON		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: GATE CYN FED 21-20-11-16		
2. NAME OF OPERATOR: GASCO PRODUCTION COMPAI	NY		9. API NUMBER: 43013331270000		
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 10	PHONE N 00 , Englewood, CO, 80112 30	NUMBER: 13 483-0044 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0476 FNL 2046 FWL			COUNTY: DUCHESNE		
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENW Section: 20	IP, RANGE, MERIDIAN: Township: 11.0S Range: 16.0E Meridian: S		STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICATE N	NATURE OF NOTICE, REPORT,	OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
Gasco would like to state approved con Range 4 west in Nor	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF	later management, LLC in Section 30, 2 south ould be used in addition isco uses to dispose of	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON ✓ WATER DISPOSAL APD EXTENSION OTHER: Olumes, etc. ACCEPTED by the Utah Division of Oil, Gas and Mining Ate: 12/30/2010		
NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor			
SIGNATURE N/A		DATE 12/29/2010			